

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: Wed Sep 12 12:27:58 EDT 2007

=====

Application No: 10574717 Version No: 1.0

**Input Set:**

**Output Set:**

**Started:** 2007-08-30 19:40:31.053  
**Finished:** 2007-08-30 19:40:35.452  
**Elapsed:** 0 hr(s) 0 min(s) 4 sec(s) 399 ms  
**Total Warnings:** 1144  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 1144  
**Actual SeqID Count:** 1144

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2007-08-30 19:40:31.053  
**Finished:** 2007-08-30 19:40:35.452  
**Elapsed:** 0 hr(s) 0 min(s) 4 sec(s) 399 ms  
**Total Warnings:** 1144  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 1144  
**Actual SeqID Count:** 1144

Error code      Error Description

This error has occurred more than 20 times, will not be displayed

## SEQUENCE LISTING

&lt;110&gt; Vermicon AG

<120> Method for the specific rapid detection of beverage-spoiling microorganisms  
<130> V 10014 PCT<140> 10574717  
<141> 2007-08-30  
<150> PCT/  
<151> 2004-09-23  
<150> DE 103 44 057.7  
<151> 2003-09-23  
<160> 1144  
<170> PatentIn version 3.3<210> 1  
<211> 21  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 1

gtttgaccag attctccgct c

21

<210> 2  
<211> 22  
<212> DNA  
<213> Artificial  
<220><223> oligonucleotide  
<400> 2

gtttgaccag attttccgct ct

22

<210> 3  
<211> 22  
<212> DNA  
<213> Artificial  
<220><223> oligonucleotide  
<400> 3

gtttgaccaa attttccgct ct

22

<210> 4  
<211> 22  
<212> DNA  
<213> Artificial  
<220><223> oligonucleotide  
<400> 4

gtttgtccaa attctccgct ct

22

<210> 5  
<211> 18  
<212> DNA  
<213> Artificial  
<220><223> oligonucleotide  
<400> 5

cccggtcgaa ttaaaaacc

18

<210> 6  
<211> 18  
<212> DNA

<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 6	
gccccggtcga attaaaac	18
<210> 7	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 7	
ggccccggtcg aattaaaa	18
<210> 8	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 8	
aggccccgtc gaattaaa	18
<210> 9	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 9	
aaggccccgt cgaattaa	18
<210> 10	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 10	
atattcggagc gaaacgcc	18
<210> 11	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 11	
aaagatccgg accggccg	18
<210> 12	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 12	
ggaaaagatcc ggaccggc	18
<210> 13	
<211> 18	
<212> DNA	
<213> Artificial	

<220>  
<223> oligonucleotide  
<400> 13  
gaaagatccg gaccggcc 18  
<210> 14  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 14  
gatccggacc ggccgacc 18  
<210> 15  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 15  
agatccggac cggccgac 18  
<210> 16  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 16  
aagatccgga ccggccga 18  
<210> 17  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 17  
gaaaggccccg gtcgaatt 18  
<210> 18  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 18  
aaaggccccg tcgaatta 18  
<210> 19  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 19  
ggaaaggccc ggtcgaat 18  
<210> 20  
<211> 18  
<212> DNA  
<213> Artificial  
<220>

<223> oligonucleotide	
<400> 20	
aggaaaaggcc cggtcgaa	18
<210> 21	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 21	
aaggaaaaggc ccggtcga	18
<210> 22	
<211> 20	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 22	
atagcaactgg gatcctcgcc	20
<210> 23	
<211> 20	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 23	
ccagccccaa agttaccttc	20
<210> 24	
<211> 20	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 24	
tccttgacgt aaagtgcgag	20
<210> 25	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 25	
ggaagaaaaac cagtacgc	18
<210> 26	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 26	
ccggtcggaa gaaaacca	18
<210> 27	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	

<400> 27	
gaagaaaaacc agtacgcg	18
<210> 28	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 28	
cccggtcgga agaaaacc	18
<210> 29	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 29	
cggtcggaaag aaaaccag	18
<210> 30	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 30	
ggtcggaaaga aaaccagt	18
<210> 31	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 31	
aagaaaaacca gtacgcgg	18
<210> 32	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 32	
gtacgcggaa aaatccgg	18
<210> 33	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 33	
agtacgcggaa aaaatccg	18
<210> 34	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 34	

gcggaaaaat ccggaccg	18
<210> 35	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 35	
cggaagaaaa ccagtacg	18
<210> 36	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 36	
ccccggtcgg aagaaaaac	18
<210> 37	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 37	
cgcggaaaaa tccggacc	18
<210> 38	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 38	
cagtacgcgg aaaaatcc	18
<210> 39	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 39	
agaaaaaccag tacgcgga	18
<210> 40	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 40	
ggccccggtcg gaagaaaa	18
<210> 41	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 41	
ataaacaccca cccgatcc	18

<210> 42  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 42  
acgcggaaaa atccggac 18  
<210> 43  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 43  
gagaggcccc gtccggaa 18  
<210> 44  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 44  
agaggccccgg tcggaaag 18  
<210> 45  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 45  
gaggccccggt cggaagaa 18  
<210> 46  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 46  
aggccccggtc ggaagaaa 18  
<210> 47  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 47  
ccgagtgggt cagtaaat 18  
<210> 48  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 48  
ccagtacgcg gaaaaatc 18  
<210> 49

<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 49  
taaacaccac ccgatccc 18  
<210> 50  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 50  
ggagaggccc ggtcgaa 18  
<210> 51  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 51  
gaaaaccagt acgcggaa 18  
<210> 52  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 52  
tacgcggaaa aatccgga 18  
<210> 53  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 53  
ggcccacaggg acccaggg 18  
<210> 54  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 54  
tcaccaaggg ccacaggg 18  
<210> 55  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 55  
ggcccacaggg gacccagg 18  
<210> 56  
<211> 18

<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 56	
ttcaccaagg gccacagg	18
<210> 57	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 57	
acaggggaccc agggctag	18
<210> 58	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 58	
aggggccacag ggacccag	18
<210> 59	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 59	
gttcaccaag ggccacag	18
<210> 60	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 60	
gccacagggc cccagggc	18
<210> 61	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 61	
caggggacccca gggctagc	18
<210> 62	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 62	
aggggaccccaag ggctagcc	18
<210> 63	
<211> 18	
<212> DNA	

<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 63	
accaagggcc acaggcac	18
<210> 64	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 64	
ccacagggac ccaggcct	18
<210> 65	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 65	
cacagggacc caggccta	18
<210> 66	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 66	
caccaaggc cacaggga	18
<210> 67	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 67	
gggaccagg gctagcca	18
<210> 68	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 68	
aggagaggcc cggtcgga	18
<210> 69	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 69	
aaggagaggc cggtcgg	18
<210> 70	
<211> 18	
<212> DNA	
<213> Artificial	

<220>  
<223> oligonucleotide  
<400> 70  
gaaggagagg cccggtcg 18  
<210> 71  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 71  
agggctagcc agaaggag 18  
<210> 72  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 72  
gggctagcca gaaggaga 18  
<210> 73  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 73  
agaaggagag gccccgtc 18  
<210> 74  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 74  
caagggccac agggaccc 18  
<210> 75  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 75  
ccaaggggcca cagggacc 18  
<210> 76  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 76  
gtcggaaaaaa ccagtacg 18  
<210> 77  
<211> 18  
<212> DNA  
<213> Artificial  
<220>

<223> oligonucleotide	
<400> 77	
gccccgggtcgga aaaaaacca	18
<210> 78	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 78	
ccgggtcgaa aaaccagt	18
<210> 79	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 79	
cccggtcgga aaaaccag	18
<210> 80	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 80	
tccggaaaaac cagtacgc	18
<210> 81	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 81	
cggaaaaacc agtacgcg	18
<210> 82	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 82	
ggggaaaaacca gtacgcgg	18
<210> 83	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 83	
gtacgcggaa aaatccgg	18
<210> 84	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	

<400> 84	
agtacgcggaaaaaatccg	18
<210> 85	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 85	
gcggaaaaat ccggaccg	18
<210> 86	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 86	
ggtcggaaaa accagtagc	18
<210> 87	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 87	
actccttagtg gtgccctt	18
<210> 88	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 88	
gctccactcc tagtggtg	18
<210> 89	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 89	
cactccttagt ggtgccct	18
<210> 90	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 90	
ctccactcct agtgggtgc	18
<210> 91	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 91	

tccactccta gtgggcc	18
<210> 92	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 92	
ccactcctag tggtgccc	18
<210> 93	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 93	
ggctccactc ctatgtgt	18
<210> 94	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 94	
aggctccact cctatgtgg	18
<210> 95	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 95	
ggcccggtcg gaaaaacc	18
<210> 96	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 96	
gaaaaaccag tacgcgga	18
<210> 97	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 97	
cgcggaaaaaa tccggacc	18
<210> 98	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotide	
<400> 98	
cagtacgcgg aaaaatcc	18

<210> 99  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 99  
cggtcggaaa aaccagta 18  
<210> 100  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 100  
aaggccccgtt cgaaaaaa 18  
<210> 101  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 101  
caggctccac tccttagtg 18  
<210> 102  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 102  
ctccttagtgg tgcccttc 18  
<210> 103  
<211> 18  
<212> DNA  
<213> Artificial  
<220>  
<223> oligonucleotide  
<400> 103  
tccttagtggtt gcccttcc 18  
<210> 104